

Abstract: This diploma thesis, titled “Influence of language when teaching mathematics through the medium of a foreign language,” deals with problems of language influence on success in mathematics. The theoretical part consists of a general definition of Content and Language Integrated Learning (CLIL), including its classification, a brief history, psychological aspects, its possible advantages and disadvantages and the potential of CLIL studies at grammar schools in the Czech Republic. The empirical part deals with the original research, composed of the investigation of language influence on solving concrete mathematical problems and of analyzing children’s questionnaire data to discover their particular language barriers as they relate to teaching and learning mathematics through the medium of a foreign language. The last chapter, which deals with technical vocabulary acquisition and the proposal of some teaching activities, completes and closes the research. The primary objective of this diploma thesis is to investigate the language influence on teaching mathematics through the medium of a foreign language. This is done by analyzing specialist literature and by performing original research. The information gained should lead to the identification of the language problems that inhibit children’s understanding of mathematics and their ability to solve mathematical problems. Keywords: CLIL, mathematics, Bilingual Grammar School, foreign languages, technical language, geometry terms.